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Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

SBR.No

No. 3rd and Part bill (For Other Works) Date.....20.....

Division : RR Nagar Division Sub-Division : Yashwanthapura -Sub Division

Estimate Cost (Rs.) :-1100.00 Lakhs

Bill Received No .....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket No: Head of Account : P- D.R. No:

Name of Work (as per sanctioned estimate): Compreshensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding Areas in Ward No.17 under PACKAGE-2019-20 RRN-DIV-(10)

Job Code:- 017-20-000008

Name of Contractor and Full Address:. C.T. Raju

Reference to Agreement No /Wo No: Dt:-

Certified that the measurements were taken by me on 21/07/2022 and recorded of Pages No 617385-396 Of measurement Book No 6174 and that the work is satisfactorily executed.

36-21

Signature of Contractor **Officer-in-charge of work**

Certified that the measurements were taken by me on 21/07/2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

If Memorandum of Payment

Assistant Division Officer

1)	Total value of work done or supplies made as per account within	₹- 952,54,795 -
2)	Deduct amount to be held in reserve being.....percent Rs.....	
3)	" Balance	
4)	Deduct Payment :	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	P.P.I - ↩ 90256507 -
	Amount adjusted towards cash advance recovery of	IT - 49983 -
	b) Payments cost store or other materials supplied.	CGST - 49983 -
	Now made recovery of amount creditable to this/other work Amount paid on this bill Cheque/Cash	SGST - 49983 - ↩ 248158 -
5)	Balance being unpaid value of work done held in reserve	- 43228 -
6)	Deduct cash advance made on the office Cash Book Voucher No.....date .....less adjustments	CBF - 4998 -
7)	Net amount due to or from contractor Unadjusted items	- 49983 -
8)	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied	By Cheque - 4750130 -

Deductions

Contractor's Signature

Received Rs... .....(in works)

.....

By Cash and by adjustment of Payment as per memorandum.

Witnesses:

1.

2.

Dated..... **Signature of Contractor**

Paid by me by cheque No..... Dated.....

Cash Rs..... Dated.....

Initials of Officer Making Payment

(For use in the Office)

Audited and admitted for Rs. 4998288 -

Passed by Cheque for Rs. 4750130 -

(Forty seven lakh sixty thousand one hundred and thirty only)

by adjustment 248158 -

Executive Engineer

Accounts Superintendent Exe. Engg

Yashwari Nagar Division, BBMP

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead and lift	Sqm	12525.19	110.00	12525.19	1377771.00	0.00	110.00	0.00	12525.19	1377771.00	
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification Complete as per the direction of Engineer in charge with all lead and lift	Cum	9246.87	230.00	8821.72	2028996.00	425.15	230.00	97785.00	9246.87	2126781.00	
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications Complete as per the direction of Engineer in charge with all lead and lift	Cum	27.16	4450.00	21.73	96681.00	5.43	4450.00	24170.00	27.16	120851.00	
	Above 125 %	Cum	43.62	5063.72	0.00	0.00	43.62	5063.72	220902.00	43.62	220902.00	
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications.-do- wall and bottom thickness 15cm Complete as per the direction of Engineer in charge with all lead and lift	Cum	76.95	7000.00	61.56	430899.00	15.39	7000.00	107725.00	76.95	538624.00	
		Cum	101.12	8101.57	0.00	0.00	101.12	8101.57	819220.00	101.12	819220.00	
	Above 125 %											
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. Complete as per the direction of Engineer in charge with all lead and lift	Tn	6.16	72300.00	4.92	356046.00	1.23	72300.00	89011.00	6.16	445057.00	
		Tn	8.09	75806.86	0.00	0.00	8.09	75806.86	613240.00	8.09	613240.00	
	Above 125 %											
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.-do with solid concrete blocks of size 400*200*200 mm Complete as per the direction of Engineer in charge with all lead and lift	Sqm	4879.20	950.00	4879.20	4635240.00	0.00	950.00	0.00	4879.20	4635240.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications.– do – cement mortar 1:3Complete as per the direction of Engineer in charge with all lead and lift	Sqm	19289.40	140.00	19289.40	2700516.00	0.00	140.00	0.00	19289.40	2700516.00	
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping including cost of all materials, labour, HOM curing Complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	964.47	5550.00	964.47	5352809.00	0.00	5550.00	0.00	964.47	5352809.00	
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete.Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5522.63	960.00	5522.63	5301720.00	0.00	960.00	0.00	5522.63	5301720.00	
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .Complete as per the direction of Engineer in charge with all lead and lift	Sqm	5522.63	950.00	5522.63	5246494.00	0.00	950.00	0.00	5522.63	5246494.00	
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) Complete as per the direction of Engineer in charge with all lead and lift	Sqm	25771.20	60.00	25771.20	1546272.00	0.00	60.00	0.00	25771.20	1546272.00	
12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25)Data rate	Sqm	150.88	5400.00	120.70	651780.00	30.18	5400.00	162945.00	150.88	814725.00	
	Above 125 %	Sqm	328.18	5800.51	(120.70)	(651780.00)	328.18	5800.51	1903583.00	328.18	1903583.00	
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	10670.92	100.00	10670.92	1067092.00	0.00	100.00	0.00	10670.92	1067092.00	
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. Complete as per the direction of Engineer in charge with all lead and lift	No's	13301.00	460.00	13301.00	6118460.00	0.00	460.00	0.00	13301.00	6118460.00	
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	7596.36	84.00	7596.36	638094.00	0.00	84.00	0.00	7596.36	638094.00	
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	350.09	450.00	350.09	157541.00	0.00	450.00	0.00	350.09	157541.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date	
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	3734.28	84.00	3734.28	313680.00	0.00	84.00	0.00	3734.28	313680.00
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	1691.76	1990.00	1691.76	3366603.00	0.00	1990.00	0.00	1691.76	3366603.00
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Cum	2056.20	2150.00	2056.20	4420830.00	0.00	2150.00	0.00	2056.20	4420830.00
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	8940.00	28.00	8940.00	250320.00	0.00	28.00	0.00	8940.00	250320.00
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	47869.26	5.00	47869.26	239346.00	0.00	5.00	0.00	47869.26	239346.00
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.Complete as per the direction of Engineer in charge with all lead and lift	Sqm	101105.25	12.00	101105.25	1213263.00	0.00	12.00	0.00	101105.25	1213263.00

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Rmks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75mm) with 4.5 % VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	2909.76	7000.00	2909.76	20368328.00	0.00	7000.00	0.00	2909.76	20368328.00	
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. -using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen Complete as per the direction of Engineer in charge with all lead and lift	Cum	2327.81	8000.00	2327.81	18622471.00	0.00	8000.00	0.00	2327.81	18622471.00	
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	1760.60	545.00	0.00	0.00	0.00	545.00	0.00	0.00	0.00	
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. Complete as per the direction of Engineer in charge with all lead and lift	Cum	350.09	4600.00	350.09	1610419.00	0.00	4600.00	0.00	350.09	1610419.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steelplates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. Complete as per the direction of Engineer in charge with all lead and	Cum	400.00	5002.00	400.00	2000800.00	0.00	5002.00	0.00	400.00	2000800.00	
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. Complete as per the direction of Engineer in charge with all lead and lift	Sqm	2000.00	72.02	2000.00	144040.00	0.00	72.02	0.00	2000.00	144040.00	
EIRL 1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,P.W.S.S by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground indecundity its quality & acceptability of the users indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre inconsolidated formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other information required including transportation of instrument and accesories to work site,engaging technical personal and labour required etc.,(Issue rate as on date 02/05/2019 It.13.04)	No;s	1.00	3805.68	0.00	0.00	1.00	3805.68	3806.00	1.00	3806.00	
EIRL 2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) (Issue rate as on date 02/05/2019 It.13.01)	Rmt	50.00	350.47	0.00	0.00	50.00	350.47	17524.00	50.00	17524.00	
EIRL 3	50 to 100 m	Rmt	50.00	446.42	0.00	0.00	50.00	446.42	22321.00	50.00	22321.00	
EIRL 4	100 to 150 m	Rmt	50.00	460.56	0.00	0.00	50.00	460.56	23028.00	50.00	23028.00	

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			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
EIRL 5	150 to 200 m	Rmt	50.00	541.36	0.00	0.00	50.00	541.36	27068.00	50.00	27068.00	
EIRL 6	200 to 250 m	Rmt	50.00	640.34	0.00	0.00	50.00	640.34	32017.00	50.00	32017.00	
EIRL 7	250 to 300 m	Rmt	50.00	707.00	0.00	0.00	50.00	707.00	35350.00	50.00	35350.00	
EIRL 8	300 to 350 m	Rmt	50.00	833.25	0.00	0.00	50.00	833.25	41663.00	50.00	41663.00	
EIRL 9	350 to 400 m	Rmt	50.00	909.00	0.00	0.00	50.00	909.00	45450.00	50.00	45450.00	
EIRL 10	400 to 420 m	Rmt	20.00	1140.29	0.00	0.00	20.00	1140.29	22806.00	20.00	22806.00	
EIRL 11	Providing and fixing 250mm dia PVC (casing pipe) (page no.XXXI, SL no.909) (KPWD SR 2016-17)	Rmt	12.00	2626.00	0.00	0.00	12.00	2626.00	31512.00	12.00	31512.00	
EIRL 12	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to is554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (inclusive of all taxes and durties) Prices include Collar - medium duty. (Page No.III,It no.84)PRED SR 2012-13.	Rmt	65.00	1328.25	0.00	0.00	65.00	1328.25	86986.00	65.00	86986.00	
EIRL 13	Providing 175mm Dia M.S. Collar (P.No.iii,I.No.86) PRED SR 2012-13	No	11.00	151.50	0.00	0.00	11.00	151.50	1667.00	11.00	1667.00	
EIRL 14	Providing 175mm dia Bore Cap CE (M) (P.No.iii,I.No.85) PRED SR 2012-13	No	1.00	101.00	0.00	0.00	1.00	101.00	101.00	1.00	101.00	
EIRL 15	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) (Pg No. XLI. Sl.no.29) KPWD SR-2018-19	No	1.00	50454.55	0.00	0.00	1.00	50454.55	50455.00	1.00	50455.00	
EIRL 16	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for seperately) including cost of all materials, labour charges,HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.6 (page no.92/It no.13.15)KPWD SR 2018-19.	Rmt	390.00	415.39	0.00	0.00	390.00	415.39	162003.00	390.00	162003.00	
EIRL 17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and power coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of group A 3CX4.0 sq.mm (PWD Ele.SR 2014-15.P-12/It-2.10.3)	Rmt	786.00	127.97	0.00	0.00	786.00	127.97	100582.00	786.00	100582.00	
EIRL 18	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and HOM of equipment with all leads complete as per specifications (PWD SR 18-19.P-95/It no.13.62)	No	1.00	1358.59	0.00	0.00	1.00	1358.59	1359.00	1.00	1359.00	
EIRL 19	Supplying and fixing 50mm GI Union.(PWD SR 2018-19.P-XXXIX)	No	1.00	225.94	0.00	0.00	1.00	225.94	226.00	1.00	226.00	
EIRL 20	Supplying and fixing 50mm GI Elbow.(PWD SR 2018-19.P-XXXIX)	No	1.00	112.92	0.00	0.00	1.00	112.92	113.00	1.00	113.00	
EIRL 21	Supplying and fixing 50mm GI Nipple.(PWD SR 2018-19.P-XXXIX)	No	1.00	105.34	0.00	0.00	1.00	105.34	105.00	1.00	105.00	

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			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
EIRL 22	Supplying and fixing 50mm GI Hose colleres(PWD SR 2018-19,P-XXXIX)	No	65.00	104.03	0.00	0.00	65.00	104.03	6762.00	65.00	6762.00	
EIRL 23	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick plank on both the sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc., P.no.44 / I no. 6.6.6 KPWD ELE SR 2019-20	No	1.00	305.02	0.00	0.00	1.00	305.02	305.00	1.00	305.00	
EIRL 24	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve indicator ON/OFF energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.(PWD Ele SR 2019-20,P-47/SI no.6.16.6) 40-63 Amps	No	1.00	1955.36	0.00	0.00	1.00	1955.36	1955.00	1.00	1955.00	
EIRL 25	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG powder coated point of approved colour 32 amps (PWD Ele SR 2019-20,P-24,1t-5.5.1)	No	1.00	1818.00	0.00	0.00	1.00	1818.00	1818.00	1.00	1818.00	
EIRL 26	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC(PWD Ele SR 2019-20,p-29,Sl no.5.38)	No	1.00	434.30	0.00	0.00	1.00	434.30	434.00	1.00	434.00	
EIRL 27	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts phase and wired after fixing to the existing wooden board for motor. upto 12.5HP(PWD Ele SR 2019-20,p-24,Sl no.-5.2.1)	No	1.00	6464.00	0.00	0.00	1.00	6464.00	6464.00	1.00	6464.00	
EIRL 28	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP capacities.(PWD Ele SR 2019-20,p-44/Sl no.5.3)	No	1.00	752.45	0.00	0.00	1.00	752.45	752.00	1.00	752.00	
EIRL 29	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of group A. 4 sqmm (PWD Ele SR 2019-20,p-6,It-2.3.4(d)	Mtrs	20.00	45.45	0.00	0.00	20.00	45.45	909.00	20.00	909.00	
EIRL 30	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor improvement of rotating machinery.(PWD Ele SR 2019-20,p-29/Sl no.5.37)	No	4.00	404.00	0.00	0.00	4.00	404.00	404 1616.00	1 4.00	404 1616.00	
EIRL 31	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia (PWD Ele SR 2019-20,p-40,Sl no.6.1)	No	1.00	3029.70	0.00	0.00	1.00	3029.70	3030.00	1.00	3030.00	
EIRL 32	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required ground level and consolidating etc., complete (PWD Ele SR 2019-20,p-41,It-6.6.2) hard soil	Mtrs	8.00	103.02	0.00	0.00	8.00	103.02	824.00	8.00	824.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total UP-to-date		Remks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
EIRL 33	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shelled galvanised steel strip (excep 2cx 10 sqmm wire armoured) confirming to IS-3975:1990 (No. of strip indicated in GTP) and extruded PVC outer sheathed armoured cable with specified IS-1554,part-1:1988 and confirming to the attached GTP of group A 4 core 16 sq mm PWD Ele SR 2019-20,p-40,It-6.4.4)	Mtrs	10.00	151.50	0.00	0.00	25 10.00	151.50	1515.00	10.00	1515.00	
EIRL 34	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing trench/duct. 6 sq mm to 16 sq mm(PWD Ele SR 2019-20,p-41,It-6.5.1)	No	25.00	11.92	0.00	0.00	25.00	11.92	298.00	25.00	298.00	
EIRL 35	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1KV class 40mm(PWD Ele SR 2019-20,p-41,It-6.9.1)	Rmt	2.00	338.35	0.00	0.00	2.00	338.35	677.00	2.00	677.00	
EIRL 36	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound complete with terminals,clamps bolts and nuts and washer etc.,complete for 16 sq mm as per specifications.(PWD Ele SR 2019-20,p-42,It-6.10.2)	No	1.00	272.70	0.00	0.00	1.00	272.70	273.00	1.00	273.00	
EIRL 37	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 amps(PWD Ele SR 2019-20,p-25,It-5.7.3)	No	3.00	229.27	0.00	0.00	1.00 2.00	229.27	229.5 458.54	1 2.00	229.5 458.54	
EIRL 38	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (KPWD SR 2018-19, P-140, It 18.47)	Cum	20.25	962.47	0.00	0.00	20.25	962.47	19490.00	20.25	19490.00	
EIRL 39	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5 (KPWD SR 2018-19, P-6, It-2.4)	Cum	30.38	480.70	0.00	0.00	30.38	480.70	14601.00	30.38	14601.00	
EIRL 40	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (external work) - 50mm nominal OD pipes (KPWD SR 2018-19, P-99, It-13.87.6)	Cum	225.00	462.50	0.00	0.00	225.00	462.50	104062.00	225.00	104062.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
EIRL 41	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the pipes,providing and fixing Tee, nuts,labour for all item of works,testing and HOM of equipments complete as per specifications. (P.No.93/ I.No. 13.20 of KPWD SR 2018-19)	no	1.00	517.10	0.00	0.00	1.00	517.10	517.00	1.00	517.00	
EIRL 42	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). - 20mm nominal OD pipes (KPWD SR 2018-19, P-98, It-13.85.2)	Mtrs	16.00	168.08	0.00	0.00	16.00	168.08	2689.00	16.00	2689.00	
EIRL 43	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq cm working pressure 25mm outside diameter with special flange, compression type fittings, wall clips, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9 (KPWD SR 2018-19, P-95, It-13.67)	Mtrs	135.00	138.11	0.00	0.00	135.00	138.11	18644.00	135.00	18644.00	
EIRL 44	KSRB 2-4 : Refilling available around earth pipe lines,cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. And lift upto 1.5m. Including cost of all labour complete as per specifications.(KPWD SR 2018-19, P-7, it-2.11)	Cum	21.26	129.54	0.00	0.00	21.26	129.54	2754.00	21.26	2754.00	
EIRL 45	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (KPWD SR 2018-19,P-136, it.17.1)	Cum	29.36	98.94	0.00	0.00	98.94	98.94	2904.00	29.36	2904.00	
EIRL 46	KSRB 2-4 : Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including cost of all materials,labour and HOM of equipments with all leads complete as per specifications. (P.No.94/ I.No. 13.37 of KPWD SR 2018-19)	no's	1.00	1861.77	0.00	0.00	1.00	1861.77	1862.00	1.00	1862.00	
EIRL 47	KSRB13-6.2-1 : Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (Pg No.-93/I.No:-13.26 of KPWD SR 2018-19) 2018-19)	n	1.00	150.95	0.00	0.00	1.00	150.95	151.00	1.00	151.00	

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Sl.No	Description of work	Unit	Schedule B		Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Rate Rs.	Qty	Cost	Qty	Rate Rs.	Cost	Qty.	Cost	
EIRL 48	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.3 of KPWD SR 2018-19)	Cum	10.13	5861.86	0.00	0.00	10.13	5861.86	59351.00	10.13	59351.00	
									4993288		35254735	
	Total Amount					9025607						
	GST 12%											
	Grand Total											

Certificate

1 The above work has been Completed satisfactorily
2 The debris has been removed and disposed from the work spot.
3 No. departmental issues are made to the contractor

For SAPIENCE CONSULTANTS

Contractor Representative
Authorised Signatory

Assistant Engineer
Ward No 17

Consultant Representative

Executive Engineer

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